

FIG. 2A

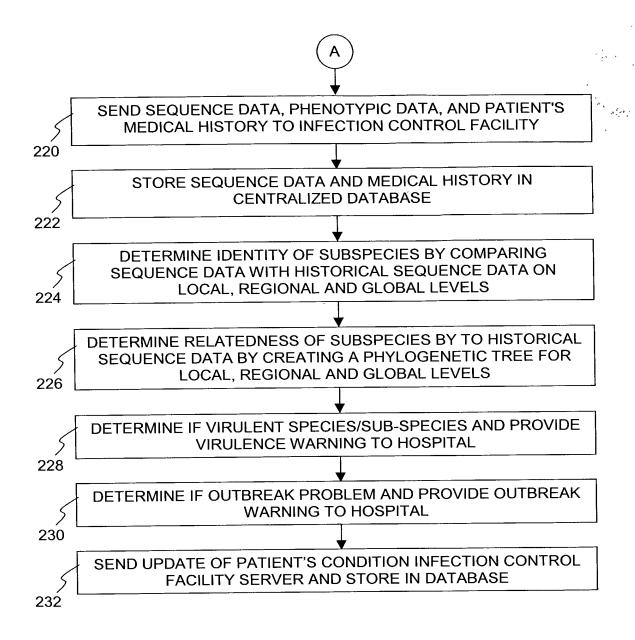


FIG. 2B

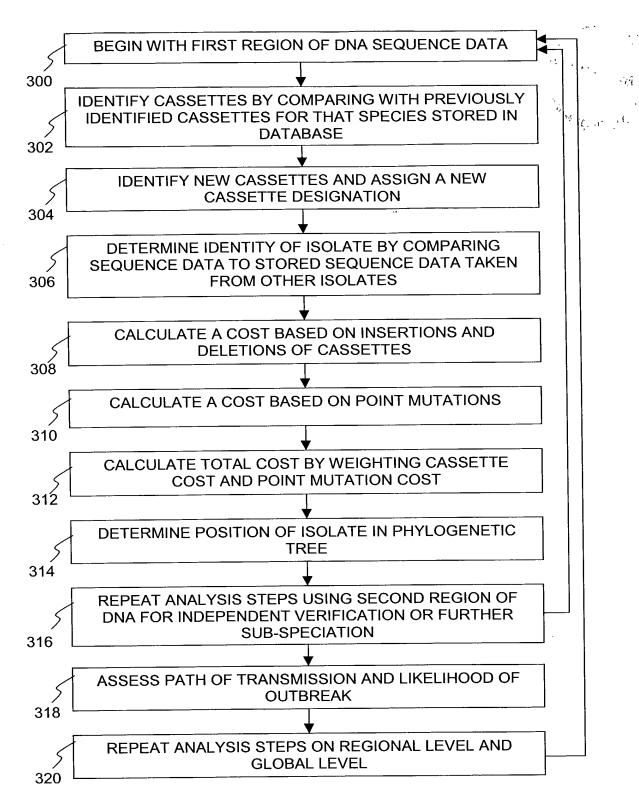


FIG. 3

M

G

M

Κ

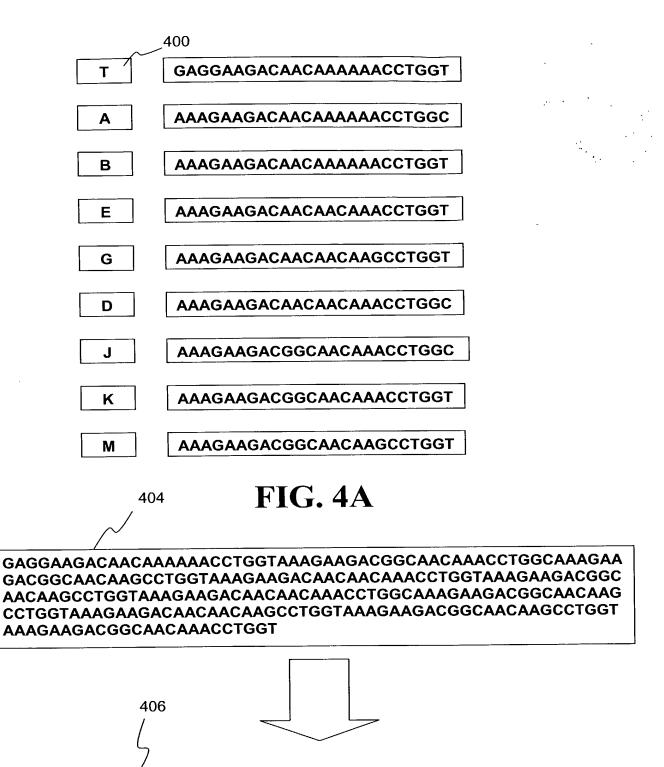


FIG. 4B

M

E

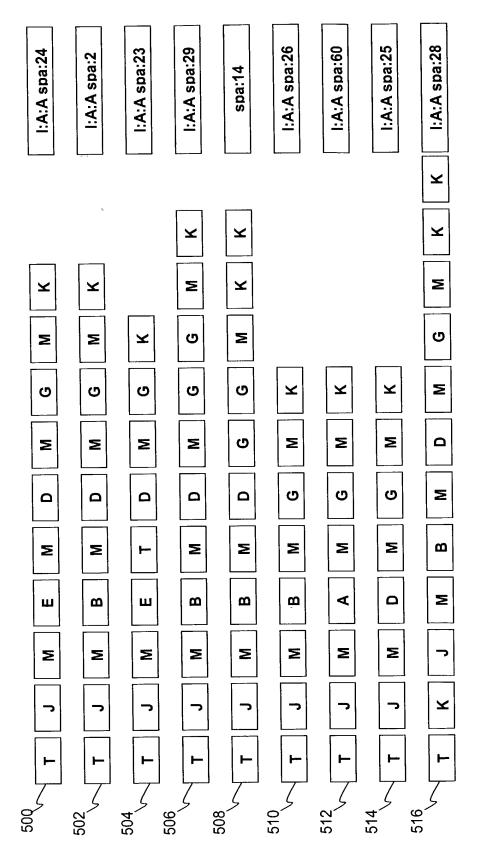


FIG. 5

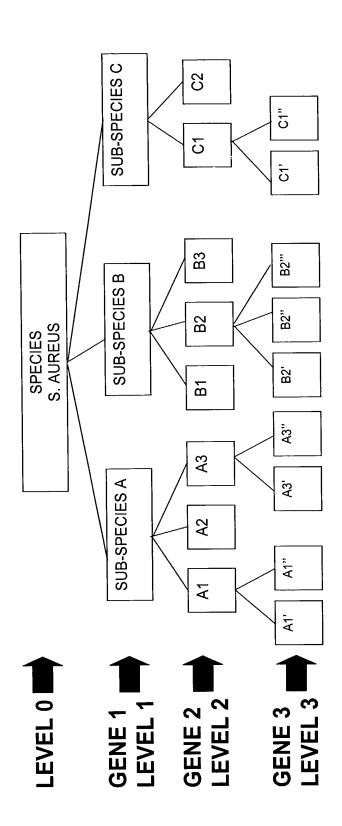


FIG. 6

SPECIES	S. aureus	S. aureus	
SUBSPECIES	A1'	B7"	v
SEQ REGION 1	ATTCATAGAT		* * .,
SEQ REGION 2	CGTACTATCC		· '
SEQ REGION 3	ATTCGTTATA		*:
REGION 1 PRIMERS			7 tyre - 54
REGION 2 PRIMERS			,
REGION 3 PRIMERS			
REPEATS REGION 1	TKJMP		
REPEATS REGION 2	ABABA		
REPEATS REGION 3	TYYT		
DATE	June 5, 2000		
PATIENT MEDICAL	Hospitalized in New York		
HISTORY	Hospital, June 2000 for 3		
	weeks, heart surgery		
PATIENT MEDICAL	Patient hospitalized 3	Patient died due to	
UPDATE INFO	weeks for infection and	infection after two	
	released	weeks	
LOCATION	Mt. Sinai Hospital,	New York City Hospital,	
	Toronto, Burn Ward	ICU	
PHAGE TTYPE			

FIG. 7A

S. AUREUS						
SEQ REGION	REPEAT 1	REPEAT 2	REPEAT 3			
PROTEIN A X _R	AATTCGCCTAGG	AATTCCCCTAGG	TAGGCCGT			
REGION 2		GGTTCCAATAAT	GGTTAACC			
REGION 3						

FIG. 7B

SEQ ID NO 37

Fig. 8A

SEO ID NO 38

GTGCTTGGGGTGCTACTCTCACTTGTATTGTTGGTTGCGCTGGTT
GTACTTGAAGCACTACTTTCGCTGGTACTACTTGTTTTACTGGTT
GTACTTGAAGCACTACTTTCGCTGGTACTACTTGTTTTACTGGTT
GTACTTGAGGTACTACTTCCACTTGTT
GTACTTGAGGTACTACTTCGCTGGTACTACTGGTT
GTGCTTGAGGTACTACTTCGCTGGTACTACTGCTCCACTTGTC
GTGCTTGGCGTGCTGCTTTCGCTGGTACTACTGCTCCACTTGTC
GTGCTTGAGGTGCTGCTTTCGCTGGTACTACTGCTCCACTTGTC
GTGCTTGAGGTGCTGCTTTCGCTGGTACTACTGCTCCACTTGTC
GTGCTTGAGGTACTACTTCGCTGGTACTACTGCTCCACTTGTC
GTGCTTGAGGTACTACTTCGCTGGTACTACTGCTCCACTTGTC
GTGCTTGAGGTACTACTTCGCTTGTATTACTGGTTTCACTTGTC
GTGCTTGAGGTACTACTTCGCTTGTATTACTGGTTTCACTTGTC
GTGCTTGAGGTGCTGCTTTCACTTGTCTTCACTTGTC
GTGCTTGAGGTGCTGCTTTCACTTGTATTACTGGTTTTCACTTGTC
GTGCTTGAGGTGCTGCTTTCACTTGTATTACTGGTTTTCACTTGTC
GTGCTTGAGGTGCTGCTTTCACTTGTATTACTGGTTTTCACTTGTC
GTGCTTGAGGTGCTGCTTTCACTTGTATTACTGGTTTCACTTGTT
SEQ ID NO 33
GTACTTGAGGTGCTGCTTTCACTTGTATTACTGGTTTCACTTGTT
SEQ ID NO 35
GTACTTGAGGTGCTGCTTTCACTTGTATTACTGGTTTCACTTGTT
SEQ ID NO 35
GTACTTGAGGTGCTGCTTTCACTTGTATTACTGGTTTCACTTGTT
SEQ ID NO 35
GTACTTGAGGTGCTGCTTTCACTTGTATTACTGGTTTCACTTGTT
SEQ ID NO 36

Fig. 8B

MTEFWPLLWLLSFT				
VLGVLLSLVLLVALV	SEQ	ID	NO	39
VLEALLSLVLLVLLV	SEQ	ID	ИО	40
VLGVLLSFVLLVSLV	SEQ	ID	ИО	41
VLEVLLSLVLLVSLV	SEQ	ID	NO	42
VLGVLLSLVLLVSLV	SEQ	ID	NO	43
VLGVLLSLVLLVSLV				
VLEVLLSLVLLLSLV	SEQ	ID	ИО	44
VLGVLLSLVLLLSLV	SEQ	ID	ИО	45
VLGVLLSLVLLVSLV				
VLGVLLSFVLLVSLV				
VLEVLLSLVLLVLLV	SEQ	ID	ИО	46
VLGVLLSFVLLVSLV	SEQ	ID	NO	47
VLEVLLSLVLLVSLV				
VLEVLLSLVLLVVSV	SEQ	ID	NO	48
DFSTNRSNAVFMVCVN				

Fig. 8C

SEO ID NO 51

ATGTTCCAGCCCCTATTAGACGCTTATACAGACAGCACCCGTTTAGATGAAACCGATTATAAGCCCCCA|TTAAATAT AGCCCTAGCCAATTGGTGGCCTTTGGATAAAAGAGAAAGCAAAGGGTTTAGGCGTTTTATCTTGTATTTCATCŢTAA GCCAACGCTACACAATCACCCTCCACCAAAACCCTAACGAACCCTCCGATCTTGTCTTTGGCAGTCCTATTGGATCA GCCAGAAAAATCCTATCCTATCAAAACACTAAAAGGGTGTTTTACACCGGTGAAAATGAAGTCCCTAATTTCAATCT CTTTGATTACGCCATAGGCTTTGATGAATTGGACTTTAGAGATCGTTATTTTGAGAATGCCTTTATATTACGCTAGCT TGCATTATAAAGCCGAGAGCGTGAATGACACCACCGCGCCCTACAAACTCAAAGACAACAGCCTTTAT¢CTTTAAAA AAGCCCTCCATCATTTTAAAGAAAACCACCCTAATTTATGCGCAGTAGTGAATGATGAGAGCGATCC†TTGAAAAG AGGGTTTGCGAGCTTTGTCGCGAGCAACCCTAACGCTCCTATAAGGAACGCTTTCTATGACGCTTTAAATTCTATTG AGCCAGTTACTGGGGGAGGGAGCGTGAAAAACACTTTAGGCTATAACGTCAAAAACAAGAGCGAGTTT|TTAAGCCAA TACAAATTCAATCTGTGTTTTGAAAACACTCAAGGCTATGGCTATGTAACTGAAAAAATCATTGACGCTTATTTCAG CCACACCATTCCCATTTATTGGGGGGGGTCCTAGCGTGGCGAAAGACTTTAACCCTAAGAGTTTTGTGAACGTTTGTG ATTTTAAAAACTTTGATGAAGCGATTGATTACGTGAGATACTTGCACACGCACCCAAACGCTTATTTAGACATGCTC ${\tt TTTTAAAACGATTTTAGAAAACGACACGATCTATCACGATAACCCTTTCATTTCTATCGCGATTTGAATGAGCCTT}$ TTATGATCGCCTTTTACAAAACGCTTCGCCTTTATTAGAACTCTCTCAAAACACCACTTTTAAAATCTATCGCAAAG CCTATCAAAAATCCTTACCTTTGTTGCGCACCATAAGGAGATGGGTTAAAAAATAA

> Fig. 9A

SEQ ID NO 52

GATGATTTGAGGGTTAATTAT SEQ ID NO 50 GATGATTTGAGGGTTAATTAT GATGATTTGAGGGTTAATTAT GATGATTTGAGGGTTAATTAT GATGATTTGAGGGTTAATTAT

SEO ID NO 59

GATGATTTGAGGGTTAATTAT GATGATTTGAGGGTTAATTAT

Fig. 9B

DLRVNYD SEQ ID NO 53

DLRVNYD

DLRVNYD

DLRVNYD

DLRVNYD

DI-RVNYD

DLRVNYD

Fig. 9C

SEQ ID NO 78

PEPSPDPEPEPTPD

PEPSPDPEPEPSPD

PDP

Fig. 10D

SEQ ID NO 76

SEQ ID NO 54

Fig. 10A

SEQ ID NO 77

	аата	a came	ת תויים	ата	CHICA THOUGHON THOU CON CHICA A A THOUGH A A CACOCA A CTCC
	GGTC	iGT(AA	GTG	CTGATGGTGATTCAGCAGTAAATCCGAAAGACCCAACTCC
AGGCCGCCGGTTGAC					
CCAGAACCAAGTCCAGACCCAGAA					· .
CCAGATCCAGAACCAAGTCCAGAC	CCAC	SAAC	CCGC	3AA	
CCAAGCCCAGACCCGGATCCG					•
GATTCGGATTCAGACAGT	SEQ				
GACTCAGGCTCAGACAGC	SEQ				•
<u>GAC</u> TCAGGTTCAGATAGC	SEQ				:
<u>GAC</u> TCAGAATCAGATAGC	SEQ	ID	ИО	58	
GATTCGGATTCAGACAGT					
GATTCAGATTCAGACAGC	SEQ	ID	ИО	59	
<u>GAC</u> TCAGAATCAGATAGC					
GATTCAGAATCAGATAGC	SEQ	ID	ИО	60	-
<u>GAC</u> TCAGATTCAGATAGC	SEQ	ID	ИО	61	
<u>GAT</u> TCAGATTCAGATAGC	SEQ	ID	ИО	62	
<u>GAT</u> TCAGATTCAGATAGC					
GATTCGGATTCAGACAGT					
GATTCAGATTCAGACAGC					
GACTCAGAATCAGATAGC					
GACTCAGAATCAGATAGT	SEQ	ID	NO	63	
GAGTCAGATTCAGACAGT	SEQ	ID	NO	64	
GACTCGGACTCAGACAGT	SEQ	ID	NO	65	
GATTCAGACTCAGATAGC	SEQ	ID	NO	66	
GATTCAGACTCAGATAGC					
GATTCAGATTCAGACAGC					
GACTCAGATTCAGACAGC	SEQ	ID	NO	67	
GACTCAGACTCAGATAGC	SEQ	ID	NO	68	
GACTCAGACTCAGACAGC	SEQ	ID	NO	69	
GACTCAGATTCAGATAGC					
GATTCAGACTCAGACAGC	SEQ	ID	ИО	70	
GACTCAGACTCAGACAGC					
GACTCAGACTCAGATAGC					
GACTCAGATTCAGATAGC					
GATTCAGACTCAGACAGC					
GACTCAGATTCAGATAGC					
GATTCGGACTCAGACAGC	SEO	ID	NO	71	
GATTCAGATTCAGACAGC	_				
GACTCAGACTCGGATAGC	SEO	ID	NO	72	
GATTCAGATTCAGATAGC	~				
GATTCGGATTCAGACAGT					
GATTCAGATTCAGACAGC					
GACTCAGACTCGGATAGC					
GACTCAGACTCAGACAGC					
GATTCAGACTCAGATAGC					
GACTCAGACTCGGATAGC					
GACTCGGATTCAGATAGC	SEO	TD	МО	73	
GACTCAGACTCAGATAGT	~		NO		
GACTCCGATTCAAGAGTT			NO		
ACACCACCAAATAATGAACAGAA					CCTAAAGGTGAAGTAAACCATTCTAATAAGGTATCAAAACA
ACACCACCAAATAATGAACAGAA	- 1001				
ACACAMACIGATOCITIACCA					

Fig. 10B

Repeat pattern isolate 1: 1-2-3-4-1-5-4-6-7-8-8-1-5-4-9-10-11-12-12-5-13-14-15-7-16-15-14-7-16-7-17-5-18-8-1-5-18-15-12-18-19-20-21

Fig. 10E

 ${f TCAGCAGTAAATCCGAAAGACCC}$ AACTCCAGGGCCGCCGGTTGACCCAGAACCAAGTCCAGACCCAGAACCAGAACC AACGCCAGATCCAGACCCAGACCCAGAACCGGAACCAGACCCAGACCCGGATCCG GATTCGGATTCAGACAGT GACTCAGGCTCAGACAGC GACTCAGGTTCAGATAGC GACTCAGAATCAGATAGC GATTCGGATTCAGACAGT GATTCAGATTCAGACAGC GACTCAGAATCAGATAGC GATTCAGAATCAGATAGC GACTCAGATTCAGATAGC GATTCAGATTCAGATAGCGATTCAGAATCAGATAGC GATTCGGATTCAGACAGTGATTCAGATTCAGACAGC GACTCAGAATCAGATAGC GACTCAGAATCAGATAGT GAGTCAGATTCAGACAGT GACTCGGACTCAGACAGT GATTCAGACTCAGATAGC GATTCAGACTCAGATAGC GATTCAGACTCAGACAGC GATTCAGATTCAGACAGC GÁCTCAGAATCAGACAGC SEQ ID NO 79 GACTCAGACTCAGATAGC GACTCAGACTCAGACAGC GACTCAGATTCAGATAGC *GATTCAGACTCAGACAGC* GACTCAGACTCAGACAGC GACTCAGACTCAGATAGC GATTCAGACTCAGACAGC GACTCAGATTCAGATAGC GATTCGGACTCAGACAGC GATTCAGATTCAGACAGC GACTCAGACTCGGATAGC **GATTCAGATTCAGACAGC** GACTCAGACTCGGATAGC GACTCGGATTCAGATAGT SEQ ID NO 80 GACTCCGATTCAAGAGTT ACACCACCAAATAATGAACAGAAAGGCACCATCAAATCCTAAAGGTGAAGTAAACCATTCTAATAAGGTATCAAAACA

ACACAAAACTGATGCTTTACCAGAAACAGGAGATAAGGGGAAAACACAAATGCAACTTTATTTTGGTGCAATG

Fig. 10C

Repeat pattern isolate 2: 1-2-3-4-1-5-4-6-7-8-6-1-5-4-9-10-11-12-12-16-5-22-14-15-7-16-15-14-16-7-17-5-18-5-18-23-21

Fig. 10F